

## ABSTRACT

In accordance with the teachings of the present invention, a sootblower design incorporates a downstream nozzle positioned on a nozzle block body and an upstream nozzle positioned longitudinally from the position of the downstream nozzle farther from a distal end of the nozzle block than that of the downstream nozzle. The upstream nozzle has a geometry that is different than the geometry of the downstream nozzle. By having nozzles of different geometries, each nozzle can be individually optimized for the flow conditions each nozzle experiences.